

REMARKS

Applicant, by the amendments presented above, has made a concerted effort to present claims which more clearly define over the prior art of record, and thus to place this case in condition for allowance.

Currently, claims 1-20 are pending. Claims 11-20 were added in this Amendment.

The Specification

The specification has been amended to correct two typographical errors therein. Entry, consideration and allowance is requested.

Allowable Subject Matter

Claims 9-10 were indicated to be allowable by the Examiner if rewritten in independent form including the limitations of the base claim and any intervening claims.

Claim 9 has been placed into independent form and includes all of the limitations of claim 1 as originally filed with the exception of "right-angle" in the preamble and "pin type" when defining the terminals. Claim 10 is dependent upon claim 9. Claim 10 has also been amended to remove the reference to "right-angle".

Applicant submits that the deletion of these terms do not effect the allowability of the claims. Reconsideration and allowance of claims 9 and 10 is requested.

Claim Rejections - 35 U.S.C. §103

Claims 1-8 were rejected under 35 U.S.C. §103 as being unpatentable over United States Patent No. 6,079,986 to Beshears in view of Applicant's admitted prior art. Applicant respectfully requests reconsideration and withdrawal of the Examiner's rejection.

The Examiner has construed the mid-plane circuit board 14 as a coaxial receptacle within the meaning of Applicant's claims. As is clear from the specification, Applicant has used the term "receptacle" to mean a component which is configured for connection to an associated circuit board. Accordingly, Applicant has amended independent claim 1 to specify that the coaxial

receptacle is configured for connection to an associated circuit board to clarify that a circuit board is not being claimed within the context of the receptacle of claim 1. Beshears and the Admitted prior art do not disclose same.

In addition, the circuit board 14 is not connected to the signal terminal 22. Insulator 60 surrounds the signal terminal 22 such that signal terminal 22 does not mate with circuit board 14.

With regard to the connection between the plug 40 and the receptacle 20 in Beshears, this connection is similar to the Admitted prior art discussed in the Background of the Invention section of Applicant's patent application which includes a terminal surrounded by a cylindrical metal terminal. Therefore, the addition of Applicant's Admitted prior art does not overcome the deficiencies of Beshears.

Accordingly, Applicant requests reconsideration of amended claim 1 and allowance thereof. Claims 2-8 are dependent upon amended claim 1 which Applicant submits is in condition for allowance. Reconsideration and allowance of claims 2-8 is also requested.

Newly-Presented Claims

Claims 11 and 12 are dependent upon amended claim 1 which Applicant submits is in condition for allowance. Entry, consideration and allowance of claims 11 and 12 is requested.

Claims 13-20 are newly-presented and are directed to the plug. Applicant submits that the prior art does not disclose a plug in accordance with claim 13 which has pin type terminals being divided into one signal terminal and a plurality of ground terminals disposed around the signal terminal, said signal terminal being separated from said plurality of ground terminals solely by said insulative housing. In Beshears, the signal terminal is surrounded by a cylindrical ground terminal 50 or 50/56 which is not a pin type terminal as is specified in the claims. Entry, consideration and allowance of claim 13-20 is respectfully requested.

A version of any replacement paragraphs, on separate pages from the amendment, marked up to show all the changes relative to the previous version of the paragraphs (underlining or bracketing) is also provided herewith in conformance with 37 C.F.R. 1.121(b)(1)(iii).

A version of any amended claims, on separate pages from the amendment, marked up to show all the changes relative to the previous version of the claims (underlining or bracketing) is also provided herewith in conformance with 37 C.F.R. 1.121(c)(1)(ii).

Applicant respectfully requests that the Examiner reconsider the rejections of the claims in light of the above remarks. Allowance of claims 1-20 is respectfully requested.

Should the Examiner believe that a telephone conversation will facilitate the prosecution of the above-identified application, the Examiner is invited to call applicant's attorney.

Respectfully submitted,
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**MARKED UP VERSION OF SPECIFICATION REPLACEMENT
PARAGRAPHS IN CONFORMANCE WITH 37 C.F.R. 1.121(b)(1)(iii)**

Paragraph on page 5, lines 8 and 9

FIG. 3 is a [plane] plan view showing a molding technique for the coaxial receptacle, showing the embodiment of the present invention.

Paragraph on page 7, lines 3-11

The coaxial receptacle 20 (FIGS.2 and 3) includes an insulative housing 21 having a surface provided with a plurality of cavities 22 and 23 into which the signal terminal 12 and the ground terminals 13 are inserted, respectively. The cavity 22 is arranged at the center of the housing 21, and the guide holes 23 are provided around the guide hole 22. The central cavity 22 ha a signal contact [22] 24 to be contacted with the signal terminal 12, and ground contacts 25 to be contacted with the respective ground terminals 13 is disposed within each of the surrounding four guide holes. A planar portion 26 is formed on the surface of the insulative housing 21 to be surface-contacted with the planar surface 24 of the coaxial plug.

**MARKED UP VERSION OF AMENDED CLAIMS
IN CONFORMANCE WITH 37 C.F.R. 1.121(c)(1)(ii)**

1. (Once Amended) A coaxial connector [for right-angled connection] comprising:
a coaxial plug provided at an end of a cable, [and a coaxial receptacle electrically
connected to the coaxial plug by inserting the coaxial plug therein, wherein:]

the coaxial plug includes a plug main body made of an insulative resin and having a surface,
and a plurality of [pin type] terminals [protruded] protruding from [a] said surface of the plug main
body, [; and] the [pin type] terminals are divided into one signal terminal and a plurality of ground
terminals disposed around the signal terminal; and

a coaxial receptacle electrically connected to the coaxial plug by inserting the terminals
therein, said coaxial receptacle configured for connection to an associated circuit board.

2. (Once Amended) The coaxial connector [for right-angled connection] according to
claim 1, wherein the ground terminals are arranged such that distances between adjacent ground
terminals are set to be equal to one another.

3. (Once Amended) The coaxial connector [for right-angled connection] according to
claim 1, wherein the ground terminals are arranged such that distances from the signal terminal to the
ground terminals are set to be equal to one another.

4. (Once Amended) The coaxial connector [for right-angled connection] according to
claim 1, wherein a surface of the plug main body is partially formed into a planar surface extending
in an axial direction of the cable, the signal terminal is disposed at a central portion of the planar
surface to be protruded for the planar surface, and the ground terminals are disposed around the
signal terminal.

5. (Once Amended) The coaxial connector [for right-angled connection] according to
claim 1, wherein two of said ground terminals are provided, which are disposed to be point-

symmetric with respect to the signal terminal.

6. (Once Amended) The coaxial connector [for right-angled connection] according to claim 1, wherein three of said ground terminals are provided, which are disposed at respective apex positions of a regular triangle centered by the signal terminal.

7. (Once Amended) The coaxial connector [for right-angled connection] according to claim 1, wherein four of said ground terminals are provided, which are disposed at respective corner portions of a regular square centered by the signal terminal.

8. (Once Amended) The coaxial connector [for right-angled connection] according to claim 1, wherein eight of said ground terminals are provided, which are respectively disposed at corner portions of a regular square centered by the signal terminal and at longitudinal middle points of sides of the regular square.

9. (Once Amended) [The right-angle] A coaxial connector [according to claim 1, wherein] comprising: a coaxial plug provided at an end of a cable, and a coaxial receptacle electrically connected to the coaxial plug by inserting the coaxial plug therein,

said coaxial plug includes a plug main body made of an insulative resin, and a plurality of terminals protruding from a surface of the plug main body, and

the terminals are divided into one signal terminal and a plurality of ground terminals disposed around the signal terminal; and

the coaxial receptacle includes an insulative housing having a surface formed with a plurality of guide holes into which the signal terminal and the ground terminals are respectively inserted, and a plurality of contacts disposed within the guide holes of the insulative housing,;

the contacts includes a signal contact contacted with the signal terminal and ground contacts contacted with the ground terminals,; and

the surface of the insulative housing has a planar portion surface-contacted with the planar

surface of the coaxial plug.

10. (Once Amended) The [right-angle] coaxial connector according to claim 9, wherein:
the insulative housing of the coaxial receptacle has a side surface intersecting the surface thereof; and

a stopper portion is provided in a boundary portion to the planar surface of the plug main body so as to be contacted with the side surface of the insulative housing, thereby restricting a displacement of the plug main body in a direction about an axis of the signal terminal when the coaxial plug is connected to the coaxial receptacle.